Grand Canyon National Park Arizona



Comparison of Impacts for Alternative A and Alternative H

Impact Topic	Alternative A	Alternative H	Change from Current
Natural Resources			
Soils	Adverse, minor to	Adverse, moderate	Beneficial, minor
	major effects	effects	change
Water Quality	Adverse, minor to	Adverse, minor to	Negligible change
•	moderate effects	moderate effects	
Air Quality	Adverse, negligible,	Adverse, negligible	Negligible change
•	effects on human	effects on human	
	health	health	
Natural Soundscape	Adverse, minor to	Adverse, minor to	Negligible change
	moderate effects, with	moderate effects, with	
	major adverse	adverse moderate to	
	impacts at Whitmore	major impacts at	
		Whitmore	
Cave and	Adverse, minor to	Adverse, minor to	Beneficial, minor
Paleontological	major effects	moderate effects	
Resources			change
Vegetation	Adverse, minor to	Adverse, moderate	Beneficial, minor
	major effects.	effects	change
Terrestrial Wildlife	Adverse, negligible to	Adverse, negligible to	Negligible change
	moderate effects	moderate effects	
Aquatic Resources	Adverse, negligible to	Adverse, negligible to	Beneficial, minor
riqualio ricocaroco	major effects.	moderate effects	*
Threatened,	Adverse, minor to	Adverse, minor to	change Adverse, minor change
Endangered, or	moderate effects	major effects	Adverse, minor change
Sensitive Species	moderate effects	major enecis	
Cultural Resources	Adverse, minor to	Adverse, minor to	Beneficial, minor
Cultural Resources	major effects	moderate effects	,
	•		change
Visitor Experience	Adverse, negligible to	Adverse, negligible to	Beneficial, negligible to
	major effects for	moderate impacts for	minor change
	some users, with	some users, with	
	beneficial, minor to	beneficial, minor to	
	moderate effects for	moderate impacts for	
	others	others	Demograph of the Control of the Cont
Socioeconomic	Direct and indirect	Beneficial, minor for	Beneficial, negligible to
Resources	effects: negligible	commercial river	major change
		runners; beneficial,	
		major for Bar 10;	
		negligible for	
		Hualapai tribe	
Park Management	Adverse, short-term,	Adverse, short and	Adverse, short-term,
and Operations	negligible to long-term		moderate change
	moderate effects	effects	
A II	A -b	A d	Deneficial acadimit to
Adjacent Lands	Adverse, moderate	Adverse, minor to	Beneficial, negligible to
	effects.	moderate effects.	minor change

Comparison of Impacts for Alternative 1 and Alternative 4

Impact Topic	Alternative 1	Alternative 4	Change from Current	
Natural Resources				
Soils	Adverse, moderate	Adverse, minor to	Beneficial, minor	
	to major effects	moderate effects	change	
Water Quality	Adverse, minor to	Adverse, minor to	Negligible change	
	major effects	major effects		
Air Quality	Adverse, negligible to		Beneficial, moderate	
	moderate effects on	effects on human	change	
	human health	health		
Natural Soundscape	In zone 3 adverse,	In zone 3 adverse,	Negligible change	
	major and in zone 2	major and in zone 2		
		adverse, moderate to		
	major effects	major effects		
Caves and	Adverse, minor to	Adverse, negligible to	· ·	
Paleontological	major effects	moderate effects	change	
Resources				
Vegetation	Adverse, moderate	Adverse, moderate	Beneficial, minor	
	to major effects	effects	change	
Terrestrial Wildlife	Adverse, major	Adverse, moderate	Beneficial, negligible to	
	effects	to major effects	minor change	
Aquatic Resources	Adverse, minor to	Adverse, negligible to	T	
	major effects	moderate effects	change	
Threatened,		Adverse, negligible to	Negligible change	
Endangered, and	major effects	major effects		
Sensitive Species			5 (1.1.1.1	
Cultural Resources	Adverse, minor to	Adverse, negligible to		
	major effects	moderate effects	change	
Visitor Experience	, 00	·	Adverse, minor to	
	major effects for	major effects for	beneficial, minor	
	some users, with	some users, with	change depending upon	
	beneficial, negligible	beneficial, minor to	the user	
	to moderate effects	major effects for		
	for others	others	D (1) 1	
Socioeconomic	Negligible effect	Beneficial, major	Beneficial, major	
Resources		effect on Hualapai	change	
Davida Maria	Ashrana at 11	tribal revenues	A -l l	
Park Management	Adverse, short-term,	Adverse, short-term,	Adverse, short-term,	
and Operations	negligible to long-	major to long-term,	major change to long-	
	term, major effects	moderate effects	term beneficial, minor	
A P	NI II II	Nia ali adala atta at	change	
Adjacent Lands	Negligible effect	Negligible effect	Negligible change	